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Kolibree Partners On Clinical Studies in Healthcare IoT

Two studies aim to show how IoT influences oral care behaviors

JANUARY 3, 2017 (LAS VEGAS, NEVADA) – Kolibree, a technology company focused on connected solutions in oral health, is partnering on clinical studies to determine the extent to which IoT can change healthcare behaviors.

Researchers at the University of California at San Francisco (UCSF) School of Dentistry are currently following 40 participants, each of whom is using a Kolibree connected toothbrush to determine the effect of Kolibree's gaming technology on compliance and effectiveness of tooth brushing among children. Participants are registered patients, ages 6 through 12, at UCSF pediatric dental clinics. The study is funded by Delta Dental Community Care Foundation on behalf of the Dentegra Group, Inc.

“We aim to evaluate the impact on plaque control and motivation for children’s daily tooth brushing by using the Kolibree toothbrush in conjunction with the Go Pirate game on the Kolibree mobile application. We hypothesize that, compared to the use of a sonic toothbrush alone, the use of a sonic toothbrush with Kolibree’s Go Pirate game will result in improved oral hygiene and motivation,” said lead researcher Ling Zhan, DDS, PhD, who is a pediatric dentist known for her work studying the bacterial causes and prevention of tooth decay.

A larger study involving 10,000 of Kolibree’s soon-to-be-released Ara toothbrushes with artificial intelligence (AI) is scheduled to begin in the spring of 2017. This study will include participants in the United States and Europe, is to see how IoT influences behaviors across a broad-based population by using something so universally common as tooth brushing. Protocol is now being developed to evaluate data in the upcoming study with the University of Manchester, England, having the largest medical faculty in Europe.

“If we can do this with a toothbrush, just think of the implications for other lifestyle behaviors that encourage disease prevention and indicate risk assessment,” said Kolibree founder and CEO Thomas Serval.

Although largely preventable, tooth decay (dental caries) remains the most common chronic disease of children and adolescents and affects 9 out of 10 adults over the age of 20, according to the Center for Disease Control and Prevention (2015). Ara by Kolibree will be introductory priced at USD \$129. Pre-orders are accepted now through February 28, 2017 for USD \$79 at kolibree.com

About Kolibree

Kolibree, the smart oral care company, is dedicated to innovation of connected health solutions, such as the first toothbrush with embedded AI, and the first connected sonic toothbrush with 3-D motion sensors. Kolibree uses proprietary technology for data capture and patented M2M technology to provide a personalized, interactive tooth brushing experience for children and adults. Kolibree has offices in New York, Paris and Hong Kong. Visit Kolibree.com, twitter.com/kolibree, facebook.com/sharekolibree, instagram.com/sharekolibree and pinterest.com/sharekolibree.